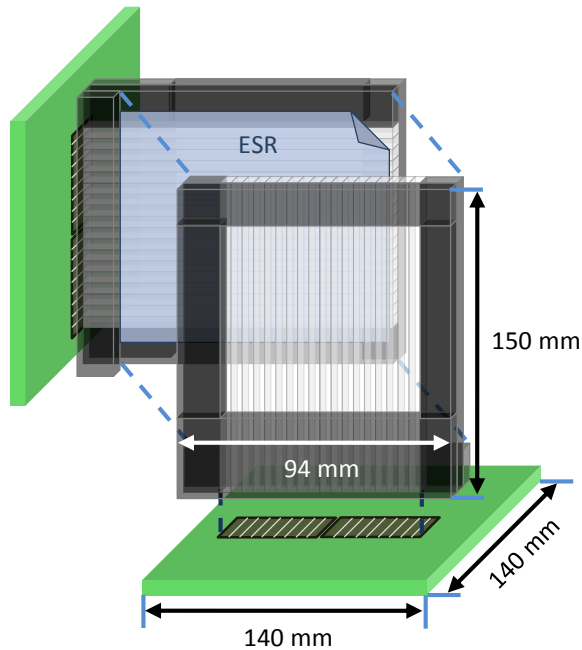


# Hello!

- Name: Chong Kim
- Nationality: ~~Democratic people's republic of Korea~~, Republic of (North South Korea)
- Affiliation: Korea University / RIKEN
- Occupation: 5<sup>th</sup> year ph.D student, International Program Associate in RIKEN
- What else? Ask me anything 😊

# What I did

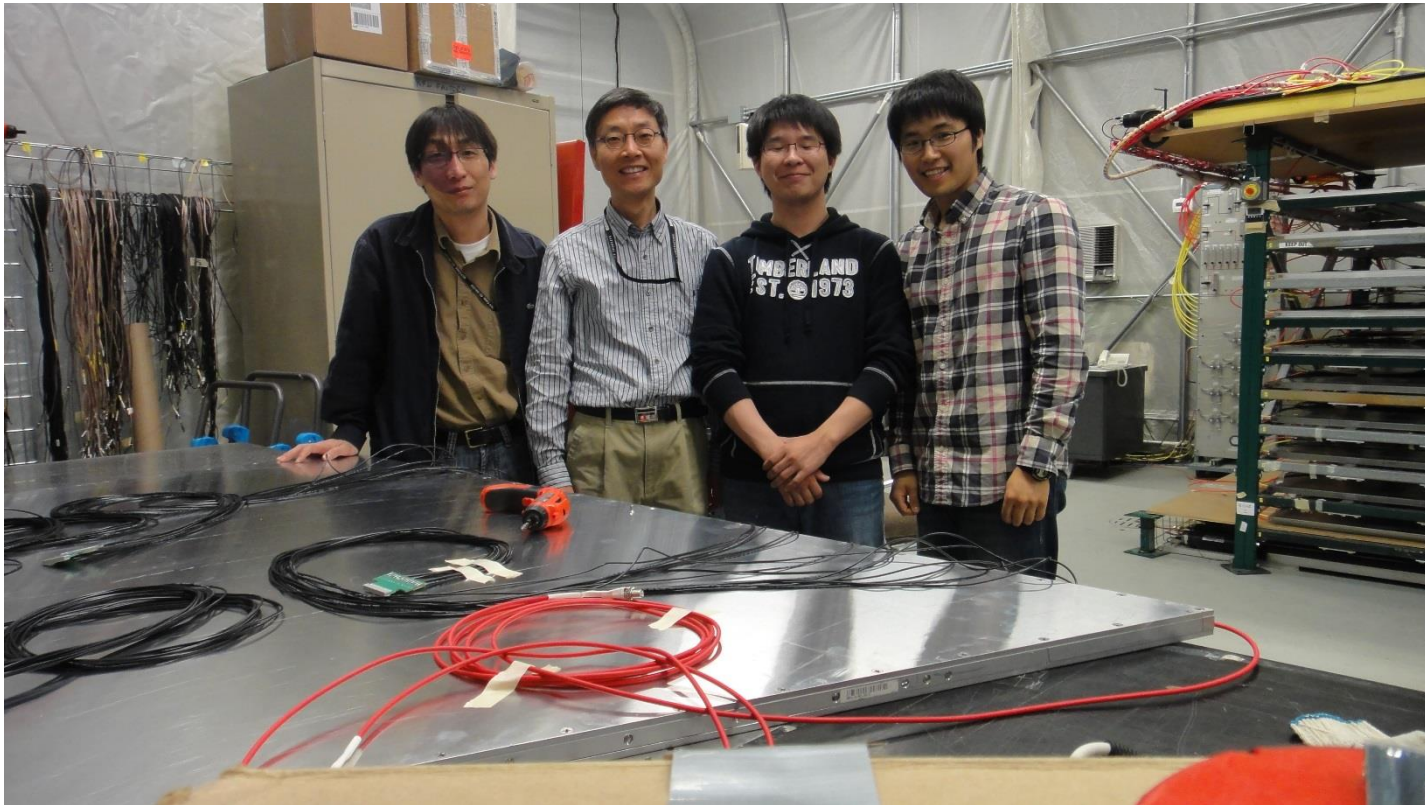
- Participated in small R&Ds at detector Lab (KoDEL) in my University before PHENIX
  - Gd-doped thermal neutron sensitive scintillation detector
  - Current integration mode scintillation-fiber array detector for neutron beam profiling
  - Scintillation fiber based dose estimation detector for the proton beam



Dose estimation detector

# What I did

- Joined PHENIX in 2009
  - Participated in RPCs (St3/St1) module/Half Octants assembly
  - Joined  $W \rightarrow \mu$  analysis from 2012



# What I do

- Currently working on forward  $W \rightarrow \mu$  analysis
  - I'm one of the Run12 analyzer
  - Currently I'm focused on our Hadronic BG modeling to improve precision of estimated S/BG

Sample of extrapolated dw23 Vs Wness  
( $0.1 < W_{\text{ness}} < 0.7 \rightarrow W_{\text{ness}} > 0.92$ )

